FIG. 1

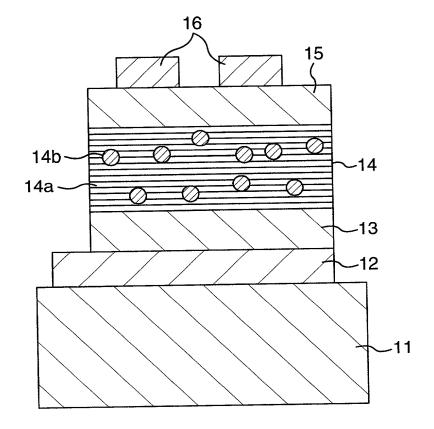


FIG. 2

4,4'-bis(N-(1-naphthyl)-N-phenyl-amino)biphenyl (α -NPB)

 $\begin{array}{c} \text{tris}(\text{2-phenylpyridine}) \text{iridium} \\ (\text{Ir}(\text{ppy})_3) \end{array}$

2,3,7,8,12,13,17,18-oclaethyl -21H,23H-porphine platinum (PtOEP)

tris-(8-hydroxy-quinoline)aluminum (ALQ)

4,4'-N,N'-dicarbozole-biphenyl (CBP)

2,9-dimethyl-4,7-diphenyl-phenanthroline (BCP)

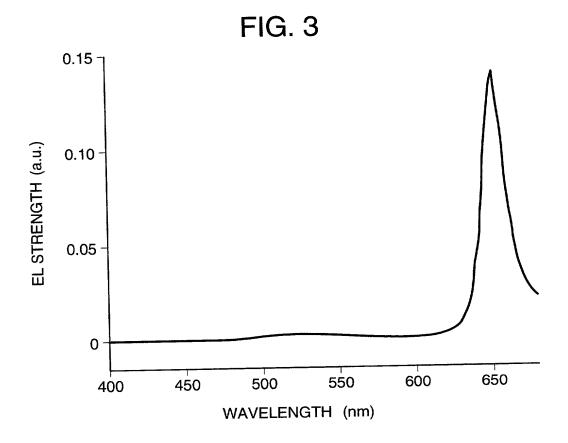
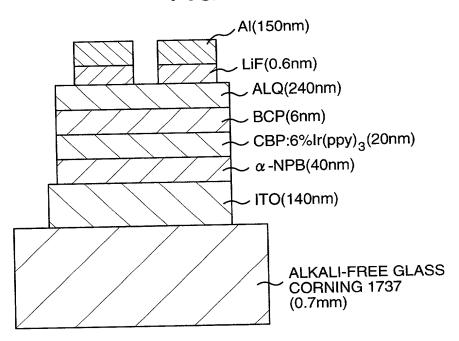
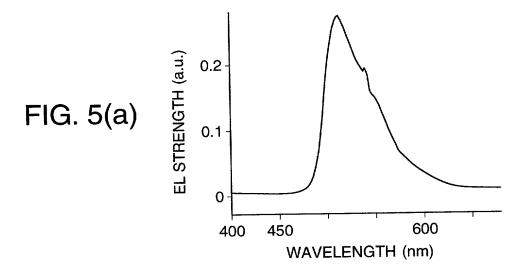
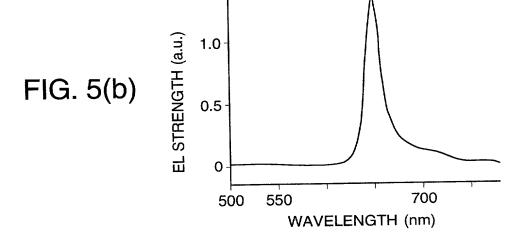
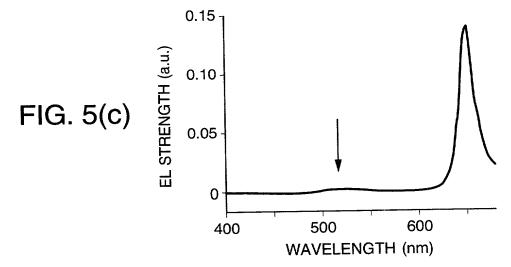


FIG. 4









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FIG. 6

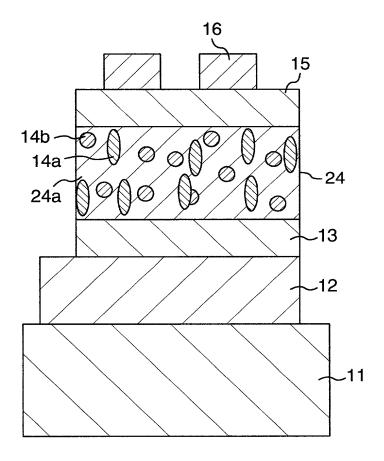


FIG. 7

